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Atty. Dkt. No. 051583-0252

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Alexander S. KRYLOV *et al.*  
Title: USE OF GENERIC OLIGONUCLEOTIDE  
MICROCHIPS TO DETECT PROTEIN-  
NUCLEIC ACID INTERACTIONS  
Appl. No.: 10/035,042  
Filing Date: 12/27/2001  
Examiner: Cynthia B. Wilder, Ph.D.  
Art Unit: 1632

<b>CERTIFICATE OF MAILING</b> I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below.
Joseph P. Meara (Printed Name)
 (Signature)
March 16, 2005 (Date of Deposit)

**AMENDMENT AND REPLY UNDER 37 CFR 1.116**

Mail Stop AF  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Dear Examiner Wilder:

This communication is responsive to the Final Office Action dated December 27, 2004, concerning the above-referenced patent application. Applicants believe no fees are required for this submission, however, the Commissioner is hereby authorized to charge any fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17 to Deposit Account No. 50-2350. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicants hereby petition for such extension under 37 C.F.R. §1.136 and authorize payment of any such extensions fees to Deposit Account No. 50-2350.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 4 of this document.

Please amend the application as follows: